

SUMMARY

TITLE

Standardization study of the kinetic test of carrying the load.

AIM

The aim of this study is to find out stability, the part of reliability, in a reference group of students by means of the method test-retest in the kinetic test of carrying the load.

METHOD

Surveyed group was composed of last-year students of two sports grammar schools chosen from all sports grammar schools in the Czech Republic. The second or more precisely the third group consisted of students of University of Defence in Brno. In total, 125 students were tested. The coefficient of correlation, the important statistic ratio, is determined by the method test-retest. The study represents an empiric quantitative observative research. The results will contribute to standardization of the test of carrying the load.

RESULTS

On the base of statistic formula and practical testing, the basic mathematical characteristics of the kinetic test of carrying the load were calculated. As the coefficient of stability r_{stab} is 0,965 we draw a conclusion that the kinetic test of carrying the load is stable in the time. Comparing results of these three groups separately, the fastest were students of Grammar school Postupická, than Sport grammar school Pardubice and the worst results had students of the University of Defence in Brno.

KEYWORDS

Physical test, standardization, stability, correlation coefficient, test-retest, special physical training.